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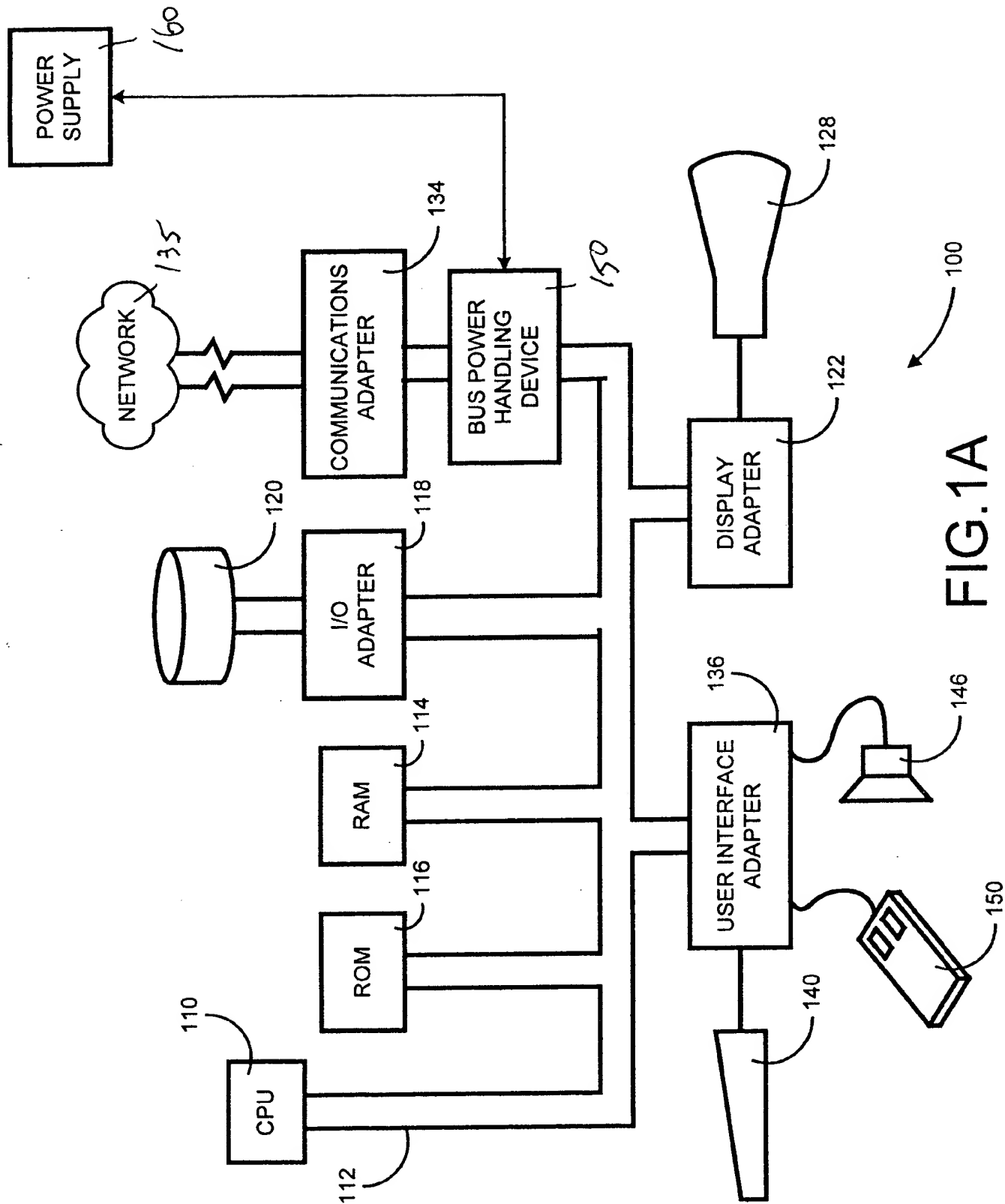


FIG.1A

FIG. 1B is a block diagram of a computer system 100.

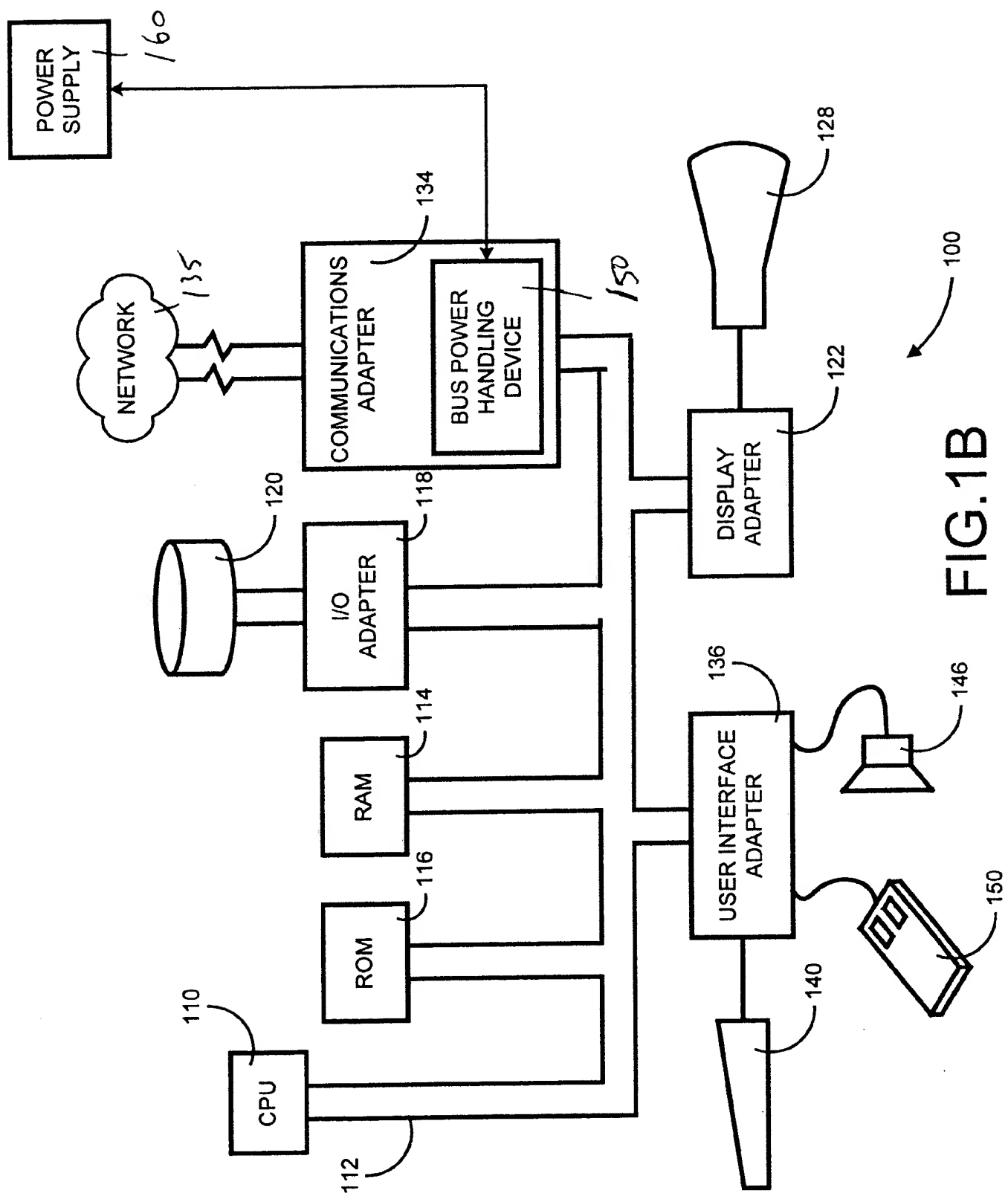


FIG.1B

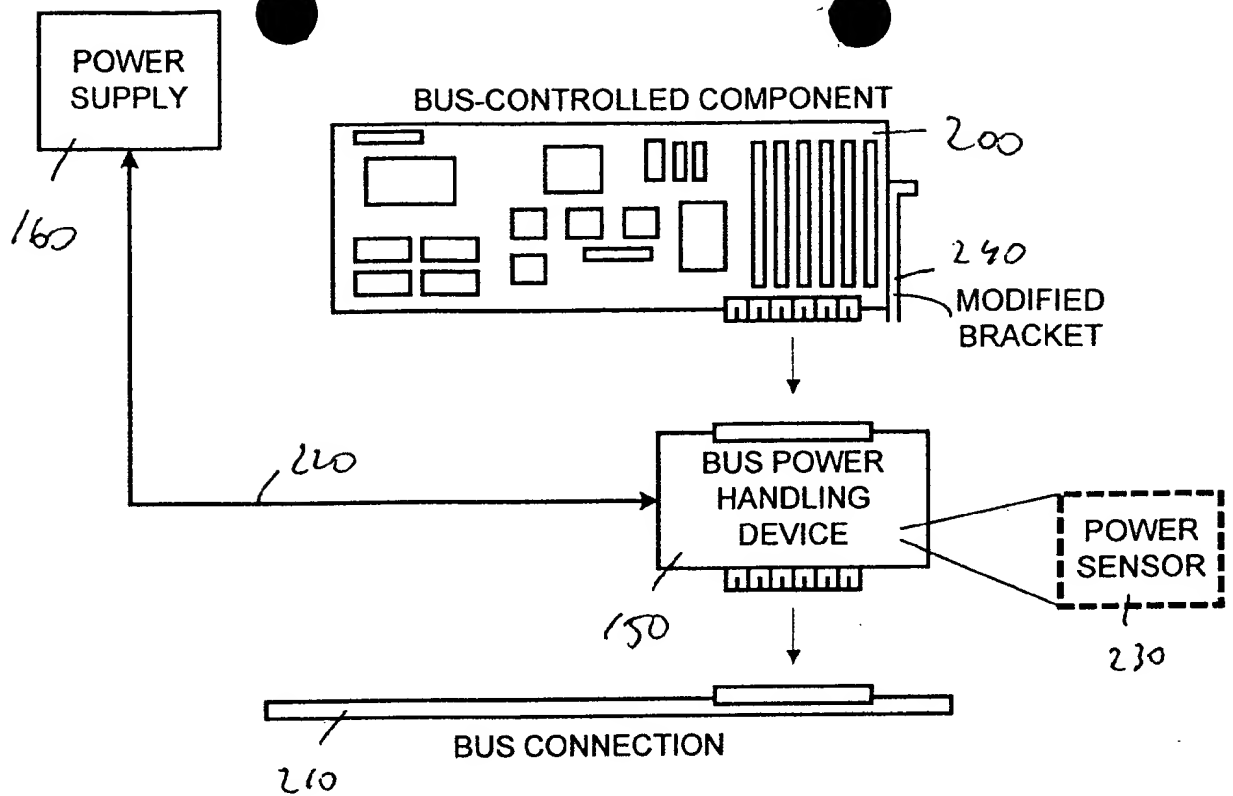


FIG. 2A

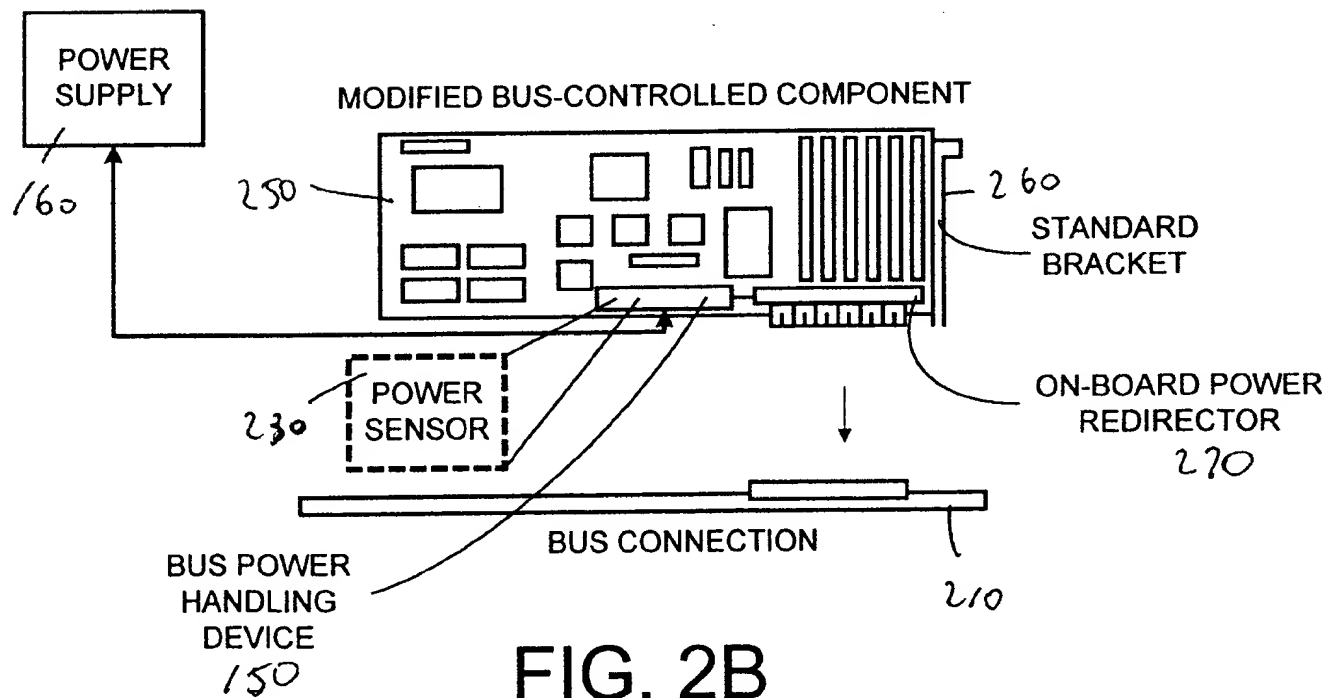


FIG. 2B

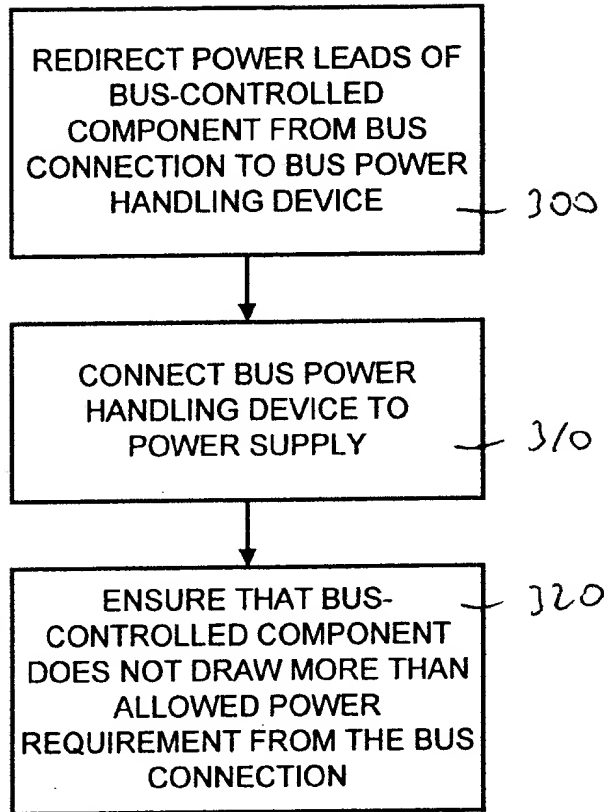


FIG. 3

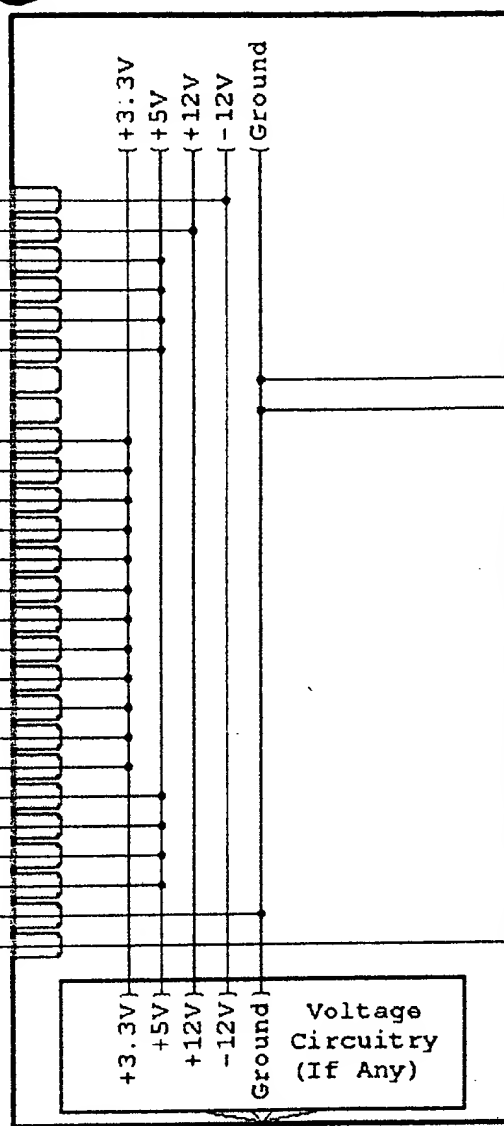
BW POWER HANDLING DEVICE (FERRITE EMBODIMENT)
PCI Power Consumption Adapter & Connector Pins

Existing PCI Card Connector Pins

<u>Expected Connection</u>	<u>Pin Number</u>
-12V	B1
+12V	A2
+5V	B5
+5V	A5
+5V	B6
+5V	A8
PRSENT1#	B9
PRSENT2#	B11
+3.3V	A21
+3.3V	B25
+3.3V	A27
+3.3V	B31
+3.3V	A33
+3.3V	B36
+3.3V	A39
+3.3V	B41
+3.3V	B43
+3.3V	A45
+3.3V	A53
+3.3V	B54
+5V	B61
+5V	A61
+5V	B62
+5V	A62
Ground	*
**	***

PCI Bus Connector Pins (On Motherboard)

<u>Pin Number</u>	<u>Connection Offered</u>
B1	-12V
A2	+12V
B5	+5V
A5	+5V
B6	+5V
A8	+5V
B9	PRSENT1#
B11	PRSENT2#
A21	+3.3V
B25	+3.3V
A27	+3.3V
B31	+3.3V
A33	+3.3V
B36	+3.3V
A39	+3.3V
B41	+3.3V
B43	+3.3V
A45	+3.3V
A53	+3.3V
B54	+3.3V
B61	+5V
A61	+5V
B62	+5V
A62	+5V
*	Ground
***	**



- PCI male connection pin.
- PCI female connection pin.
- PCI connection pin through which no connection passes.

Line to Power Supply Leads

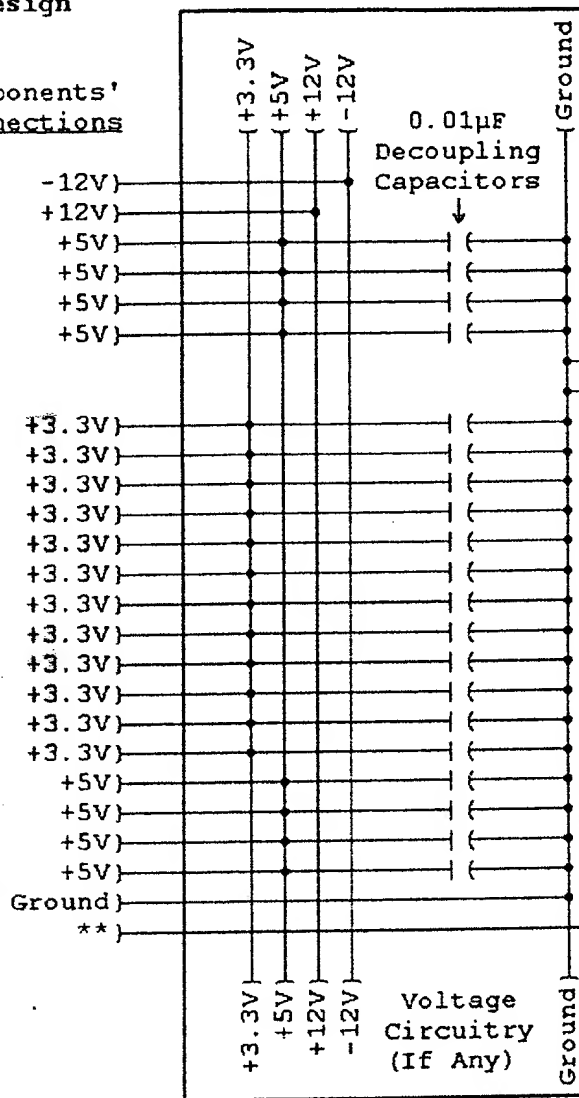
- ** All other PCI connections not explicitly listed.
- *** Corresponding pin numbers for all ** not explicitly listed.

* Ground connection pin numbers: B3, B15, B17, A18, B22, A24, B28, A30, B34, A35, A37, B38, A42, B46, A48, A56, B57, A63, B64, B67, A69, A72, B73, B76, A78, A81, B82, B85, A87, A90, B91, A93, and B94.

FIG. 4A

New PCI Card Design

Possible Components'
 Expected Connections



PCI Bus
 Connector Pins
 (On Motherboard)

Pin Number	Connection Offered
B1	-12V
A2	+12V
B5	+5V
A5	+5V
B6	+5V
A8	+5V
B9	PRSENT1#
B11	PRSENT2#
A21	+3.3V
B25	+3.3V
A27	+3.3V
B31	+3.3V
A33	+3.3V
B36	+3.3V
A39	+3.3V
B41	+3.3V
B43	+3.3V
A45	+3.3V
A53	+3.3V
B54	+3.3V
B61	+5V
A61	+5V
B61	+5V
A62	+5V
*	Ground
***	**

Connection Pins on the PCI Card

PCI male connection pin.
 PCI female connection pin.
 PCI connection pin through which no connection passes.

Line to Power Supply Leads

** All other PCI connections not explicitly listed.
 *** Corresponding pin numbers for all ** not explicitly listed.

* Ground connection pin numbers: B3, B15, B17, A18, B22, A24, B28, A30, B34, A35, A37, B38, A42, B46, A48, A56, B57, A63, B64, B67, A69, A72, B73, B76, A78, A81, B82, B85, A87, A90, B91, A93, and B94.

FIG. 4B